WHAT IS CLAIMED IS:

1.   A method comprising the steps of:

obtaining a software program;

obtaining a downloadable unit configured to communicate with the software program;

compiling the software program into a binary file;

embedding the downloadable unit into the binary file; and

loading the binary file with the embedded downloadable unit onto the network device.

2.   The method of claim 1, wherein the step of obtaining a downloadable unit includes obtaining a Java™ class.

3.   The method of claim 1, wherein the step of obtaining a downloadable unit includes obtaining an ActiveX™ control.

4.   The method of claim 1, wherein the step of obtaining a downloadable unit includes obtaining more than one downloadable unit.

5.   The method of claim 4, further comprising the step of bundling the downloadable units into a downloadable unit bundle.

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1 6.   The method of claim 5, further comprising the step of bundling the downloadable

2 units according to function.

1 7.   The method of claim 5, further comprising the step of bundling the downloadable

2 units according to version.

1 8.   The method of claim 5, further comprising the step of bundling sharable

2 downloadable units into a default bundle.

1 9.   The method of claim 1, wherein the software program includes the operating

2 system of the network device.

1 10.   The method of claim 9, wherein the network device includes a router.

1 11.   The method of claim 5, further comprising the step of creating a table of contents

2 for the downloadable unit bundle.

1 12.   The method of claim 5, wherein the step of embedding the downloadable unit

2 includes embedding the downloadable unit bundle into the binary file.

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13.   A system for managing a network device from a remote client, comprising:

2   a binary file of a software program stored in the network device;

3   a downloadable unit for managing of the network device embedded in the

4   software program binary file; and

5   a web server for communicating with the remote client and for transmitting the

6   embedded downloadable unit to the remote client.

14.   The system of claim 13, wherein the network device includes a network router.

1   15.   The system of claim 13, wherein the downloadable unit includes a Java™ class.

1   16.   The system of claim 13, wherein the downloadable unit includes an ActiveX™

2   control.

1   17.   The system of claim 13, wherein the downloadable unit includes more than one

2   downloadable unit.

1   18.   The system of claim 17, wherein the downloadable units have been combined into

2   downloadable unit bundles.

19.   The method of claim 18, wherein the downloadable units have been combined

2   into downloadable unit bundles according to downloadable unit function.

1   20.   The method of claim 18, wherein the downloadable units have been combined

2   into downloadable unit bundles according to version information.

1   21.   The method of claim 13, wherein the software program includes an operating

2   system.

1   22.   The method of claim 21, wherein the network device includes a router.

1   23.   The system of claim 13, wherein the web server communicates with the remote

2   client using a file transfer protocol.

1   24.   The system of claim 13, wherein the web server communicates with the remote

2   client using an internet protocol.

1   25.   The system of claim 13, wherein the software program includes an extractor for

2   extracting the embedded downloadable unit.

1   26.   The system of claim 13, wherein the software program is currently executing on

2   the network device.

1 27. A system comprising:

2   means for obtaining a software program;

3   means for obtaining a downloadable unit configured to communicate with the

4 software program;

5   means for compiling the software program into a binary file;

6   means for embedding the downloadable unit into the binary file; and

7   means for loading the binary file with the embedded downloadable unit onto a

8 network device.

1 28. The system of claim 27, wherein the means for embedding a downloadable unit

2 includes means for embedding a Java™ class.

1 29. The system of claim 27, wherein the means for embedding a downloadable unit

2 includes means for embedding ActiveX™ controls.

1 30. The system of claim 27, wherein the means for embedding a downloadable unit

2 includes means for embedding more than one downloadable unit.

1 31. The system of claim 30, wherein the means for embedding more than one

2 downloadable unit includes means for bundling the downloadable units into

3 downloadable unit bundles.

1   32.   The system of claim 27, wherein the means for embedding a downloadable unit

2   includes means for embedding a downloadable unit into an operating system of the

3   network device.

1   33.   The system of claim 32, wherein the network device includes a router.

1   34.   The system of claim 27, wherein the means for establishing a communications

2   link includes means for using a URL.

1   35.   The system of claim 27, wherein the means for establishing a communications

2   link includes means for opening an internet protocol connection.

1   36.   The system of claim 27, wherein the means for establishing a communications

2   link includes means for using an ftp server.

1   37.   The system of claim 27, wherein the means for establishing a communications

2   link includes a web engine.

1   38.   The system of claim 27, wherein the means for running the downloadable unit

2   includes a Java™ Virtual machine (JVM).

1   39.   The system of claim 27, wherein the means for running the downloadable unit on

2   the remote machine includes an ActiveX capable browser.

40.   A method comprising the steps of:

2   receiving a request to manage a software program having a binary file from a

3   remote client;

4   locating a downloadable unit corresponding to the request embedded in the binary

5   file;

6   extracting the downloadable unit from the binary file; and

7   forwarding the downloadable unit to the remote client.

41. A system comprising:

means for receiving a request to manage a software program having a binary file

from a remote client;

means for locating a downloadable unit corresponding to the request embedded in

the binary file;

means for extracting the downloadable unit from the binary file; and

means for forwarding the downloadable unit to the remote client.

42. A computer-storage medium storing program code for causing a computer to

perform the steps of:

receiving a request to manage a software program having a binary file from a

remote client;

locating a downloadable unit corresponding to the request embedded in the binary

file;

extracting the downloadable unit from the binary file; and

forwarding the downloadable unit to the remote client.

1   43.   A system comprising:

a web server for receiving from a remote client a request to manage a software

3   program which has a binary file with an embedded downloadable unit for performing the

4   request;

5   an extractor coupled to the web server for extracting the downloadable unit from

6   the binary file; and

7   a communicator coupled to the extractor for forwarding the downloadable unit to

8   the remote client.

44.   A method for modifying available remote device management services,

2   comprising the steps of:

3   obtaining a new downloadable unit for performing a new service;

4   retrieving a software program binary file having an embedded old downloadable

5   unit for performing an old service from a network device;

6   substituting the old downloadable unit for the new downloadable unit; and

7   loading the modified software program binary file back onto the network device.

45.   The system of claim 13, wherein the software program includes a list of available

2   functions.

46.   The system of claim 51, further comprising a downloadable unit for each of the

available functions.